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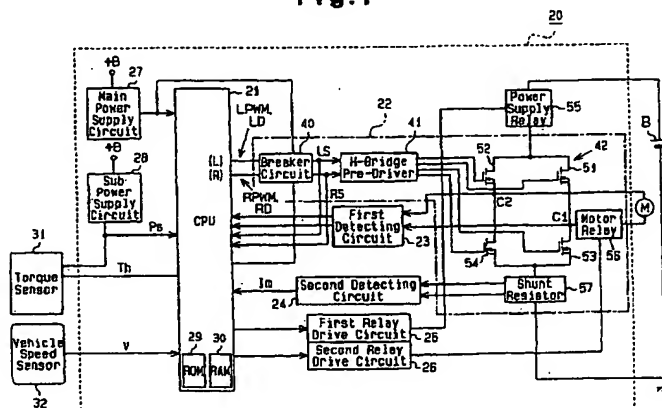
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### (54) Control apparatus of electric power steering

(57) A control apparatus (20) of an electric power steering system has calculating means, controlling means, determining means, suppressing means, canceling means. Calculating means calculates an assist current value that corresponds to the assist force based on steering torque of a steering wheel. Controlling means executes assist control of the motor based on the assist current value. Determining means determines an abnormality in the circuit. Suppressing means sup-

presses the assist control when an abnormality in the circuit is determined. If the determination of an abnormality has continued longer than a predetermined time since the suppression of the assist control, the suppressing means opens relay means that permits electric power to be supplied to the motor. When it is determined that the circuit returns to normal with the assist control suppressed, the canceling means cancels the suppression of the assist control.

Fig.1





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## EUROPEAN SEARCH REPORT

Application Number  
EP 02 02 8265

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 17 February 2004	Examiner Van der Veen, F
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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